

Date: Wed, 24 Feb 93 17:36:26 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #253
To: Info-Hams

Info-Hams Digest Wed, 24 Feb 93 Volume 93 : Issue 253

Today's Topics:

1 Watt = ? dBm ? (2 msgs)
Advice on mobile rig in Ford Ranger?
EAST COAST TV Channels
FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
HELP! SATELLITE TV DESCRAMBLER
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qrp kits
Radio Pager Guy
Rechargeable Batteries??? (2 msgs)
Request for volunteer help in Raleigh, NC
VHF SSB (2 msgs)
was FORGET THE CW HELP BRUNO [long]

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Wed, 24 Feb 1993 18:12:38 GMT
From: wri!dragonfly.wri.com!stillson@uunet.uu.net
Subject: 1 Watt = ? dBm ?
To: info-hams@ucsd.edu

>In article <1993Feb24.172849.24453@alw.nih.gov> arm@helix.nih.gov (Andrew Mitz)
writes:

> dBm is often used for a measure of RF output power of low power
> devices. What is the conversion of dBm to watts?

0 dBm=1 mW
10 dBm= 10mW
20 dBm = 100 mW etc.

where 1 mW = .001 Watts

Idon'tspeakforwriandihardlyspeakformyself....

In article <1993Feb24.172849.24453@alw.nih.gov> arm@helix.nih.gov (Andrew Mitz) writes:

dBm is deciBels referenced to 1 milliwatt. To get dB from power, use:

where P_1 is the reference, in this case 1 milliwatt or .001 watts.

1 Watt = +30 dBm

[illegible]

Galen Watts, KF0YJ

Date: 24 Feb 93 21:38:02 GMT
From: ogicse!hp-cv!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!
edh@network.UCSD.EDU
Subject: Advice on mobile rig in Ford Ranger?
To: info-hams@ucsd.edu

In <1993Feb23.224601.29189@oakhill.sps.mot.com> markm@bigfoot.sps.mot.com (Mark Monninger) writes:

>I'm seriously considering buying a Ford Ranger and want to install a UHF
>radio in it. I'd be interested to hear from anyone who is using VHF or UHF
>rigs in a Ranger. Power output will be about 25 watts and I'll probably
>use a permanent roof-mounted antenna. I'm mainly interested in advice on
>mounting locations, power & antenna cable routing, noise problems,
>on-board computer problems, etc.

I drilled NMO mount holes toward the back edge of the cab where the rearmost support channel is found (you can feel it if you press up through the headliner). I placed one on each side of the cab about four inches in from the edge (I _wanted_ to run separate antennas for 144 and 444). With help from a friend I simply pushed the cable through the hole(s) and along the channel to the edge of the cab. At that point the channel curves down and opens up where the rear speakers are mounted. I pulled the cables out of the speaker holes, re-attached the speaker grills, and soldered on the PL-259s after the cable had been cut to length. Never had any need to pull down the headliner, and the installation is clean, neat, and solid from every aspect. And it was done in a flash (the longest part of the process was the soldering, BUT that's a different thread :-).

Power was run directly from the battery, down alongside the fire-wall and into a channel going under the cab. I picked a rubber plug drain hole close to the back of the cab close to the channel where I was running the wire and poke a hole through it for the wires. I pulled the wires through, cut them off close to the radio, and wired into the fused wiring harness supplied (and sealed the rubber plug back with a dab of RTV). Great news was not having to come through the firewall and being able to keep the leads away from most of the existing wiring.

The control head of my Alinco DR-590 mounts neatly against the front of the ashtray and is very handy/easy to use from there. The chassis is attached via the supplied bracket to the back wall of the cab in the middle of the wall (where the center armrest is). I was careful to get the fan up far enough for clearance so airflow

around the cooling fins of the heatsink is not impeded. I was very careful to scrape paint for good grounds at the NMO mount and ensuring the wiring integrity at all points.

In this configuration I have not experienced ANY noise problems or interference with any on-board electronics. I have 1/4 wave antennas for standard use (unobtrusive and doesn't get destroyed by parking garages/low branches). I have switched to 5/8th wave for special purposes (public service where the main repeater in use was far away) with _no_ problems introduced. I couldn't be happier with the installation.

The dealership had warned me when I asked about the "recommended" maximum output power for CB radios (!). But when I demonstrated 50 watts out the service manager just admired my installation and made no comment about the transceiver. And I did all this the first week I owned my Ranger -- no problems since or ever.

Good luck & Cheers!

Ed Humphries - N5RCK 73

Hewlett-Packard NARC Atlanta GA

Date: Wed, 24 Feb 1993 19:14:55 GMT

From: nsisrv!news1.gsfc.nasa.gov!NewsWatcher!user@ames.arpa

Subject: EAST COAST TV Channels

To: info-hams@ucsd.edu

Here is updated listing from your comments/inputs:

CH2 Boston

Baltimore

NY City

CH3 Philadelphia

Hartford

CH4 DC

NY City

Boston

CH5 DC

NY City

Boston

CH6 Richmond,Va.

Philadelphia

Providence,RI

Albany,NY

CH7 DC

NY City

Boston
 CH8 Harrisburg, Pa.?
 CH9 DC
 NY City
 CH10 Philadelphia
 Providence, RI
 Albany, NY
 CH11 Baltimore
 NY City
 CH12 Philadelphia
 Providence, RI
 CH13 Baltimore
 NY City
 Albany, NY
 CH14 NO longer Worcester, Ma. (GONE)
 CH15
 CH16 Salsbury
 CH17 Philadelphia
 CH18 Seen ? 7/20/91
 CH19 NY?
 North Adams, Ma (Western Mass)
 Ch20 DC
 Springfield, Ma??
 CH21 NY City
 CH22 Annapolis, Md. (PBS)
 CH23 NJ
 CH24 MD/DC Sales/Market TV
 Hartford, Conn
 CH25 NY City
 Boston
 CH26 DC (PBS)
 CH27 Worcester, MA
 CH28 Salsbury, Md. (PBS)
 CH29 NJ/Del
 CH30 Hartford
 CH31 Hagerstown, Md. (PBS)
 NY City
 CH32 DC, Howard Univ. (PBS)
 CH33
 CH34
 CH35
 CH36 Oakland, Md. (PBS)
 Providence, RI
 CH37
 CH38 Boston
 CH39
 CH40 Springfield, MA
 CH41 NY City
 CH42 York?

CH43
CH44 Boston
CH45 Baltimore
CH46
CH47 Harrisburg, PA?
 NY City
CH48 VA/DC Spanish
CH49
CH50 DC/VA
 NJ
CH51
CH52 NJ
CH53 DC/VA
 NY City (lptv)
CH54 Baltimore?
CH55 Boston
CH56 VA/DC
 Boston
CH57 DC/MD/VA
 Springfield, Ma
CH58 NJ
CH59
CH60
CH61 Hartford, Conn
CH62 Fredrick, Md. (PBS)
CH63
CH64 Providence, RI
CH65
CH66 DC/VA/MD
 Boston
CH67 Baltimore, Md. (PBS)
CH68 NY City
 Boston
CH69

Date: 24 Feb 93 17:12:25 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
paladin.american.edu!news.univie.ac.#!hp4at!mcsun!sunic!seunet!pipex!bnr.co.uk!
uknet!uos-ee!ee.surrey.ac.uk!M.
Subject: FORGET THE CW HELP BRUNO - GET A DICTIONARY INSTEAD!
To: info-hams@ucsd.edu

In article <C2twAr.AG3@news.Hawaii.Edu>, jherman@Hawaii.Edu writes:
|>
|> TO BRUNO / AA6AD: FORGET TRYING TO HELP OTHERS LEARN CW; INSTEAD, HELP
|> YOURSELF OUT BY LEARNING TO CORRECTLY SPELL THE FOLLOWING:

|> (AS TAKEN FROM YOUR POST)
|> THAMSELF, HITING, PROGRES, DEPRESSION, SUDNELY, COPING (COPYING?),
|> CHARACTER. SORRY FOR THE FLAME BUT IT HURTS MY EYES (AND BRAIN) TO
|> SEE SUCH THINGS. IT'S TOO BAD PEOPLE DON'T TAKE MORE PRIDE IN HOW THEY
|> PRESENT THEMSELVES ON THESE NETS.
|>
|> JEFF NH6IL.

Jeff, have you considered that some of us are unable to tell if a word is spelt correctly or not, where letters have been transposed, without taking each word apart letter by letter. Have you any idea how difficult this makes sending CW without first writing it down. I have given up caring, if I spell it wrongly I just carry on, rather than send 8 dots every few words.

Maybe you didn't have trouble at school with d&b, lucky you!

Mike GOMJW

Date: 24 Feb 93 17:49:29 GMT
From: usc!howland.reston.ans.net!gatech!pitt!cup.edu!edinboro.edu!
w644171c@network.UCSD.EDU
Subject: HELP! SATELLITE TV DESCRAMBLER
To: info-hams@ucsd.edu

I would like to know how can I (if possible) descramble sattellite channels without subscribing to "VIDEOCIPHER II PLUS" (VCII Plus).

All I'm interested in is the major networks like ABC, NBC, CBS, PBS, FOX. Most of these are on Satcom F2 or F1.

I live to far out to get local affiliate signals clearly off air and cable dose not come out this far.

I feel that if you live to far out t receive these signals "FREE" via air waves and have a satellite you should get them without having to pay for them.

I am using an american made Drake receiver.

If anyone can help me out I would truly appreciate it.

Thanks in advance
Bill

Date: 24 Feb 93 21:50:50 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: How to login to nic.funet.fi ?
To: info-hams@ucsd.edu

> >IQC109 at URIACC.URI.EDU This is my correct address. The host refuses to
> >accept this and insists that I have made anvalid logon.

This is not your correct address. Real addresses have an "@" rather than
the word "at" which went out of the mail standard ten years ago. nic.funet.fi
accepts IQC109@URIACC.URI.EDU just fine.

Actually, it will accept anything as long as it has an "@" in it. I just
connected using "foo@bar"

-Ron

Date: Wed, 24 Feb 93 13:21:59 EST
From: anomaly.sbs.com!n1mpq!system@uunet.uu.net
Subject: How to login to nic.funet.fi ?
To: info-hams@ucsd.edu

simon@wise.demon.co.uk (Simon Wise) writes:

> In article <9302211402.AA20209@ucsd.edu> IQC109@uriacc.uri.edu writes:
>
> >I am experiencing a problem when I try to FTP to nic.funet.fi which is
> >a FTP site which should have some HAM/SWL files.
> >When it asks for my INTERNET address I give it my address as:
> >IQC109 at URIACC.URI.EDU This is my correct address. The host refuses to
> >accept this and insists that I have made anvalid logon. I have also tried
>

Typical of URIACC, and if I'm guessing right by your username, you're on
the VM/ESA there, correct? I've had the same problem.

Tony

-- Tony Pelliccio, N1MPQ/AA // Why do some hams run 20mW //
-- god @ garlic.sbs.com // into a stub-ducky in a car //
-----// and wonder why they can't //
-- Flame Retardent Sysadmin // hit a repeater? //

-- A man who feels sees life as a tragedy, a man who thinks sees --
-- life as a comedy. (As found in a fortune cookie) --

Date: 24 Feb 93 19:47:05 GMT
From: topaz.bds.com!topaz.bds.com!ron@uunet.uu.net
Subject: Old tube AM/FM table top Radio
To: info-hams@ucsd.edu

Most decent FM radios have what's known in the hi-fi circles as FM-muting.
Those of us in the radio world call it squelch. The idea is the same. We
don't want to hear the white noise when there is no signal present.

-Ron

Date: Wed, 24 Feb 1993 20:17:09 GMT
From: pacbell.com!amdahl!netcomsv!netcom.com!mont@ames.arpa
Subject: qrp kits
To: info-hams@ucsd.edu

In article <1993Feb17.234043.23361@ttinews.tti.com> paulb@harley.tti.com (Paul
Blumstein) writes:

>

>I have just started using the A&A Engineering 30M QRP kit. It cost ~\$160.
>Check out the 1993 ARRL Handbook for details. There also was a 2 part article
>in QST (Dec 90 & Jan 92, I think) that covers this unit.

>

>It seems to work okay. With 13.8 Volts in, I am putting out 9 Watts.
^^^^^^

I wondered about that, thought my swr meter wasn't calibrated right. :)

>I intend to detune it to 5W once I get used to CW. That extra power
>means that if I ever go portable, I can still put out 5w. I use an
>outboard keyer on it.

I also built the A&A QRP kit but for 20m. It works great, and the kit
was absolutely complete. It's a real nice rig, even has a crystal ladder
filter in the IF stage for really great selectivity.

I recently found another kit for this rig. "624 Kits" has a kit for it
with everything but the case for \$99 (plus \$3 shipping). Not a bad buy.

^^^^

In case your interested:

624 Kits
Pat Bunn
171 Springlake Drive
Spartanburg, S.C. 29302

Phone: (803) 583-1304

Pat also has several other kits at pretty reasonable prices.

73 de km6wt

--

Mont Pierce

```
+-----+
| Ham Call: KM6WT           Internet:  mont@netcom.com       |
|   bands: 80/40/20/2       IBM vnet:  mont@vnet.ibm.com      |
|   modes: cw,ssb,fm        |                                  |
|   qth: Fremont, CA        Religion:  Jehovah's Witnesses   9/72 |
+-----+
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Date: 25 Feb 93 00:00:38 GMT

From: ogicse!emory!darwin.sura.net!haven.umd.edu!wam.umd.edu!adam@network.UCSD.EDU

Subject: Radio Pager Guy

To: info-hams@ucsd.edu

To Dave, the W7 guy who posted the info for Mark Pringle with the radio pagers...do you know if he got my letter yet? There was a question in there for you...

--Adam L. Greenberg

adam@wam.umd.edu

N3NKI

Date: Wed, 24 Feb 1993 18:02:43 GMT

From: usc!sol.ctr.columbia.edu!caen!destroyer!cs.ubc.ca!newsserver.sfu.ca!sfu.ca!hugie@network.UCSD.EDU

Subject: Rechargable Batteries???

To: info-hams@ucsd.edu

I've recently purchased rechargable batteries for my Sangean 808 shortwave radio. I've noticed that the battery meter drops off very quickly compared to normal alkaline batteries. Does anyone know if rechargable batteries have

adequate performance for use in such radio??? Thanks!

Don Hugie
Vancouver, Canada

Date: 24 Feb 1993 19:15:49 GMT
From: sun-barr!news2me.EBay.Sun.COM!exodus.Eng.Sun.COM!appserv.Eng.Sun.COM!
concertina!fiddler@ames.arpa
Subject: Rechargable Batteries???
To: info-hams@ucsd.edu

In article <hugie.730576963@sfu.ca> hugie@beaufort.sfu.ca (Don Hugie) writes:
> I've recently purchased rechargable batteries for my Sangean 808 shortwave
>radio. I've noticed that the battery meter drops off very quickly compared
>to normal alkaline batteries. Does anyone know if rechargable batteries have
>adequate performance for use in such radio??? Thanks!
>
I use NiCds in my 808 (noise for me during working hours).

They don't last anywhere *near* as long as alkalines...but alkalines can't
be recharged.

What I do is keep two sets of four NiCd batteries, and when the low-voltage
alarm goes off, swap out for the currently-charged set.

NiCd batteries start out at 1.25V, instead of the ~1.5V of the alkaline, so
you never do see a batt reading above 5 with them on the ATS-808.

--

| Some things are too important not to give away |
| to everybody else and have none left for yourself. |
|----- Dieter the car salesman-----|

Date: 24 Feb 1993 19:50:26 GMT
From: news.larc.nasa.gov!uadp1.larc.nasa.gov!hunt@uunet.uu.net
Subject: Request for volunteer help in Raleigh, NC
To: info-hams@ucsd.edu

Amateur radio help is needed in Raleigh on March 26 & 27. A convention/
competition is being held by a five-state region of Sweet Adelines,
International--a women's barbershop organization. In the past we have
had ham operator "friends and family" help monitor the traffic pattern

as choruses and quartets move between the hotel and convention center. Our usual sources are not available this year, but some friends suggested that I try posting to this news group since they had seen postings from the Raleigh area and indicated that ham operators are often willing to help out with such events.

The times involved would be Friday evening from 5:30 or 6:00 p.m. until 10:30 or 11:00 p.m. and Saturday from about 11:00 a.m. until 5:00 p.m.

I don't know what, if any, compensation would be available (tickets to the show Saturday night :^)--I will be checking with those in charge. But if there is any interest, please send me e-mail at hunt@uadp1.larc.nasa.gov as I am not a reader of this group.

Thanks for your help.

Linda Hunt
hunt@uadp1.larc.nasa.gov

Date: 22 Feb 93 23:23:23 GMT
From: olivea!inews.Intel.COM!cad636!dbraun@ames.arpa
Subject: VHF SSB
To: info-hams@ucsd.edu

Does anyone know if there is any interesting VHF or UHF SSB that can be listened to?

Also, would it be practical to modify a scanner (e.g. the PRO-2006 I have) to have a IF frequency output (presumably 10.7 MHz) that could be fed into a shortwave radio so the SSB could be received?

Thanx,

--

Doug Braun

Intel Design Technology
408 765-4279

dbraun@scdt.intel.com

/ decwrl \
| hplabs |

or maybe: -| oliveb |- !intelca!mipos3!cadev6!dbraun
 | amd |
 \ qantel /

"There is no human problem which could not be solved if
people would simply do as I advise." -- Gore Vidal

Date: 23 Feb 93 19:00:11 GMT
From: olivea!inews.Intel.COM!cad636!dbraun@ames.arpa
Subject: VHF SSB
To: info-hams@ucsd.edu

Is there any interesting VHF or UHF SSB (single sideband voice) that can be
listened to?

Does it sound practical to modify a scanner (like the PRO-2006 I have)
to have an IF frequency output (10.7 MHz?) that could be fed into
a shortwave receiver to decode the SSB?

Finally, can anyone recommend a good reference guide to spectrum allocation?
Something that lists not specific stations (like those "Call Guide" books Radio
Shack sells), but instead what each frequency is allocated for. I would like
something that lists things like:

Garage door openers
Model R/C transmitters
Cordless phones
Pagers
Radio/TV studio-transmitter links
Etc, etc.

Thanks,

Doug Braun

Intel Design Technology
408 765-4279

dbraun@scdt.intel.com

 / decwrl \
 | hplabs |
or maybe: -| oliveb |- !intelca!mipos3!cadev6!dbraun
 | amd |
 \ qantel /

"There is no human problem which could not be solved if people would simply do as I advise." -- Gore Vidal

Date: Wed, 24 Feb 1993 21:11:02 GMT
From: dog.ee.lbl.gov!hellgate.utah.edu!cs.utexas.edu!zaphod.mps.ohio-state.edu!
darwin.sura.net!sgiblab!sgigate!odin!chuck.dallas.sgi.com!adams@network.UCSD.EDU
Subject: was FORGET THE CW HELP BRUNO [long]
To: info-hams@ucsd.edu

In article <1993Feb24.171225.1154@EE.Surrey.Ac.UK>, M.Willis@ee.surrey.ac.uk (Mike Willis) writes:

....stuff deleted....

|> Jeff, have you considered that some of us are unable to tell
|> if a word is spelt correctly or not, where letters have been transposed,
|> without taking each word apart letter by letter. Have you any idea how
|> difficult this makes sending CW without first writing it down. I have
|> given up caring, if I spell it wrongly I just carry
|> on, rather than send 8 dots every few words.

....more stuff deleted....

|> Mike GOMJW

An interesting thought about writing it down before sending. In years of CW operation I have never written anything down before sending it. Maybe I'm just strange that way. Of course it's obvious that I don't do traffic handling, which one would have to keep a copy, thus would have it written down or typed out somewhere. Do people really write stuff down before sending it? email to me and i'll post the statistics to the net, if interest warrants it. BTW nobody cares how you spell on the air, just on the net. ;-)
abr lk hl es go on..... (for the humour defficient)

Another saving feature carried along for some time. At an early age (1958) I had difficulty sending the error signal, i.e. 8 dits. I send the letter 'i' three times. True, it takes more clock time to do this, but you don't have to send an error for an error until you get

it right. I don't remember seeing an 'error' on my heath keyboard and I use the keyboard daily. I was away from using the Bencher for tooooooooooo lonnnnnnnngggggggggggggg. ;-)

One time I was giving an OF, K5DHV Doc Zinterhoffer, Midland TX, hell on CW. He was on AM parked on 7.298 and dared anybody to get between him and the band edge. I was in high school at the time. ;-) I made an error, i got between him and the band edge on CW and was in sending mode, made an error and sent 'i' three times. He thought I called him an a** and proceeded to give a lecture on the air about my language. He was section 8 from the Navy and thrown outta the medical profession in enuff states to get him a WAS. ;-)

The only time an 'error' got me into trouble. I have never heard anyone on cw use any of the seven words that used to be illegal in communications. Just look at what 2 Live Crew has done for us.... ;-)

Someone else posted that CW is all upper case. BZZZZZZT! it's all lower case just like typing in UNIX (tm) commands. ;-)

73 gl gb cul de k5fo chuck dit dit

Date: 24 Feb 1993 20:17:34 GMT
From: news.larc.nasa.gov!eos1.larc.nasa.gov!eckman@uunet.uu.net
To: info-hams@ucsd.edu

References <RBOLT-220293124513@128.183.16.116>,
<RBOLT-220293162217@128.183.16.116>, <RBOLT-240293151638@128.183.16.116>
Subject : Re: EAST COAST TV Channels

I haven't been following this thread closely, so please excuse me if this has been already mentioned. There is a rather complete listing of US TV stations put out by the TV DX hobby club called the Worldwide TV-FM DX Association operated from Buffalo, NY. I have a copy of their North American TV station listings from a few years back and suspect that an updated copy is probably available. If anyone is interested, I can dig up the address tonight and post it tomorrow. They also offered US TV station maps for each channel, but don't know if this is still in print. This was very helpful for tracking sporadic E openings on the lower VHF channels.

Richard Eckman K04MR
NASA Langley
eckman@dobson.larc.nasa.gov

End of Info-Hams Digest V93 #253
